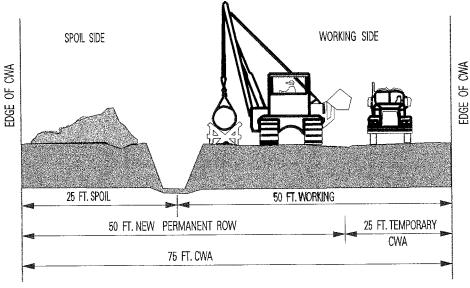
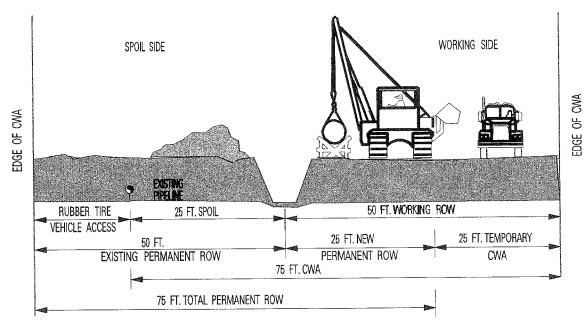
# Appendix C Typical ROW Cross Sections

## Appendix C1 Millennium Typical ROW Cross Sections



### NEW ROW & LIFT AND LAY



### PARALLEL TO EXISTING ROW

NOTES:

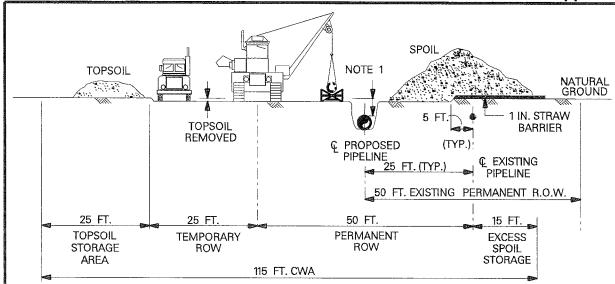
1. THE DIMENSIONS SHOWN ON THIS FIGURE ARE TYPICAL, REFER TO CONSTRUCTION ALIGNMENT SHEETS FOR SPECIFIC CWA DIMENSIONS.

NOT TO SCALE

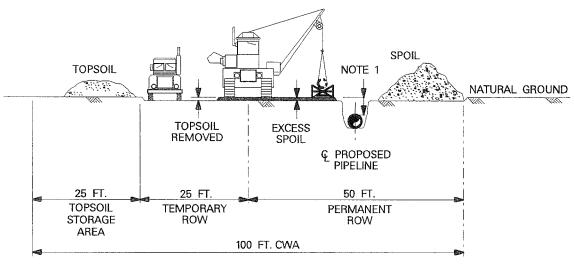


TYPICAL UPLAND CONSTRUCTION WORK AREA

FIGURE 2



#### ADJACENT TO EXISTING PIPELINE WITH GRASS GROUND COVER



#### LIFT & LAY NEW PIPELINE OR PLOWED FIELD

#### NOTE:

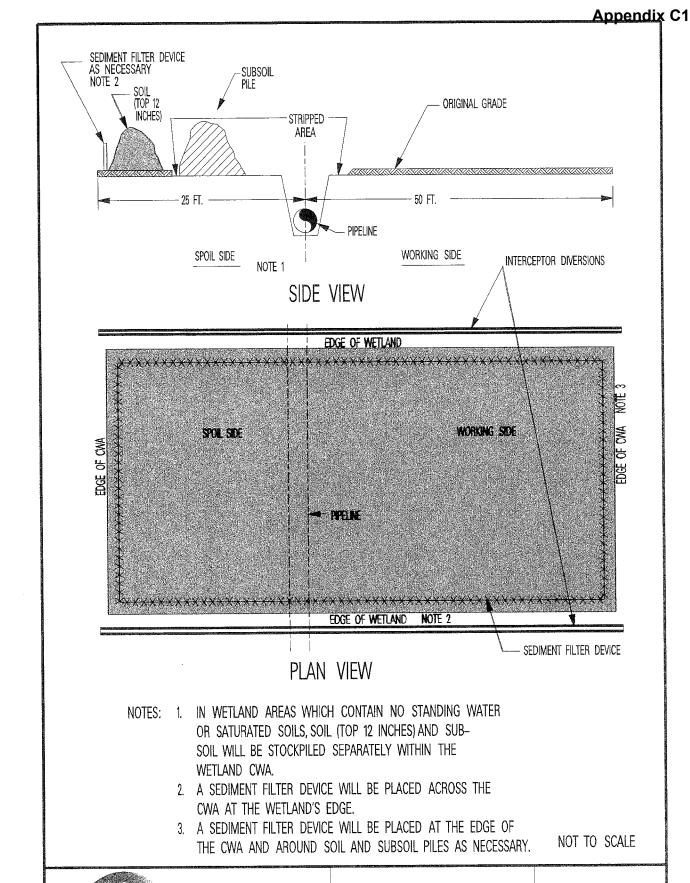
- DEPTH OF COVER IN CROPLAND TO BE 4 FT. OR 1 FT. BELOW EXISTING FIELD TILE, WHICH EVER IS GREATER. (FIGURE 17)
- OTHER CONFIGURATIONS OF TOPSOIL AND SUBSOIL ARE ACCEPTABLE PROVIDED THEY ARE KEPT SEPARATE.
- 3. UP TO 16 INCHES OF TOPSOIL REMOVED.
- 4. TOPSOIL AND SUBSOIL PILES WILL BE ADEQUATELY PROTECTED FROM EROSION AND SEDIMENTATION BY USE OF SEDIMENT FILTER DEVICES OR STRAW MULCH.
- 5. A 1 IN. THICK STRAW VISUAL BARRIER MUST BE INSTALLED PRIOR TO SUBSOIL SPOILING OVER TOPSOIL.

NOT TO SCALE



TYPICAL
TOPSOIL
CONSERVATION
IN AGRICULTURAL LAND

FIGURE 15





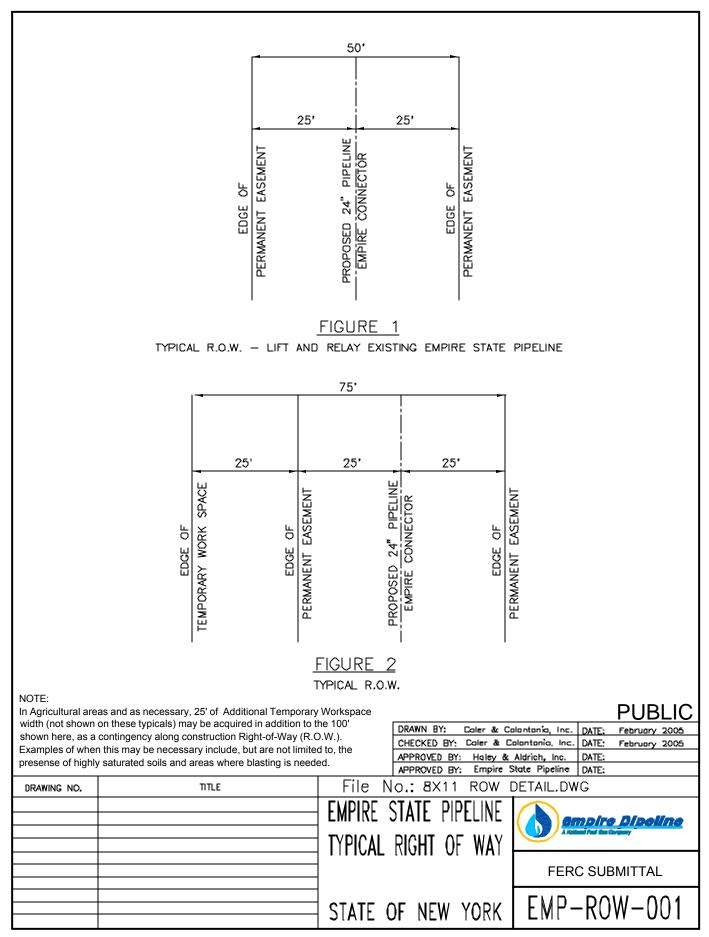
ENVIRONMENTAL CONSTRUCTION STANDARDS

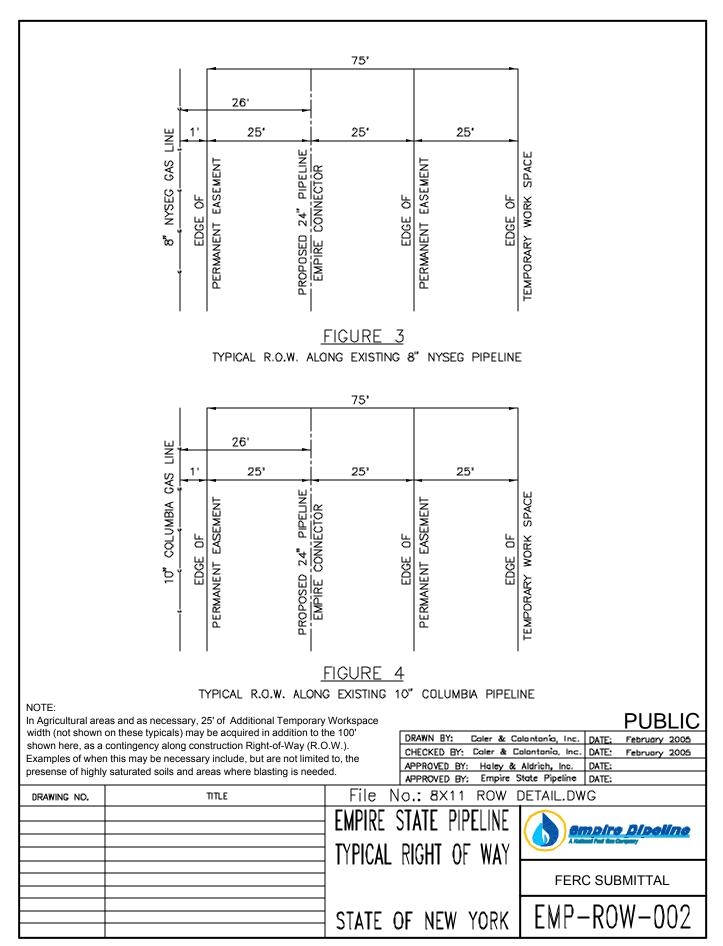
TYPICAL WETLAND CROSSING

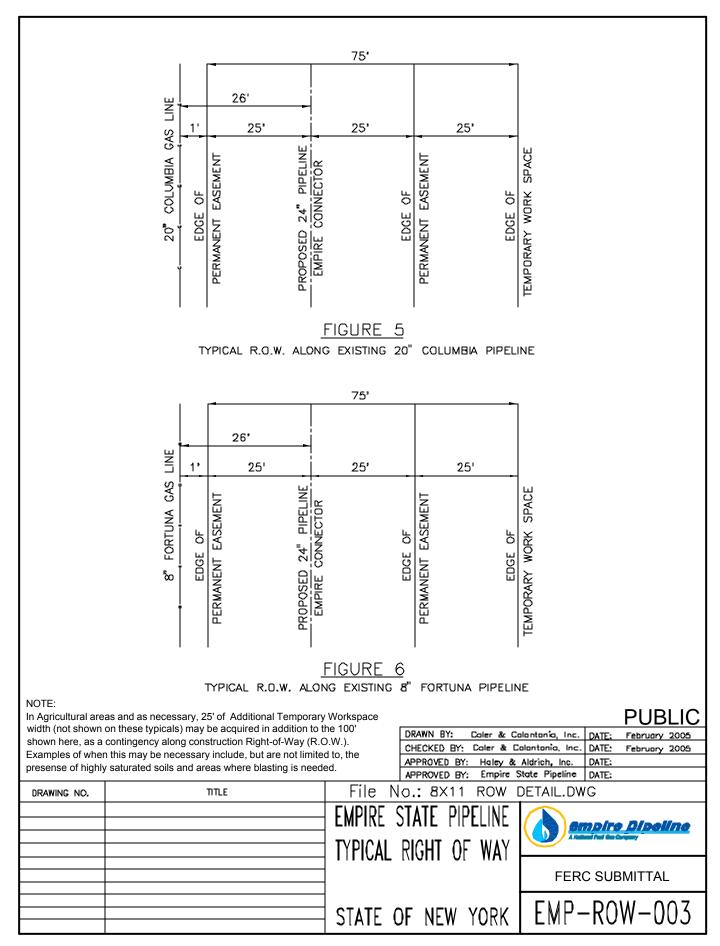
FIGURE 24

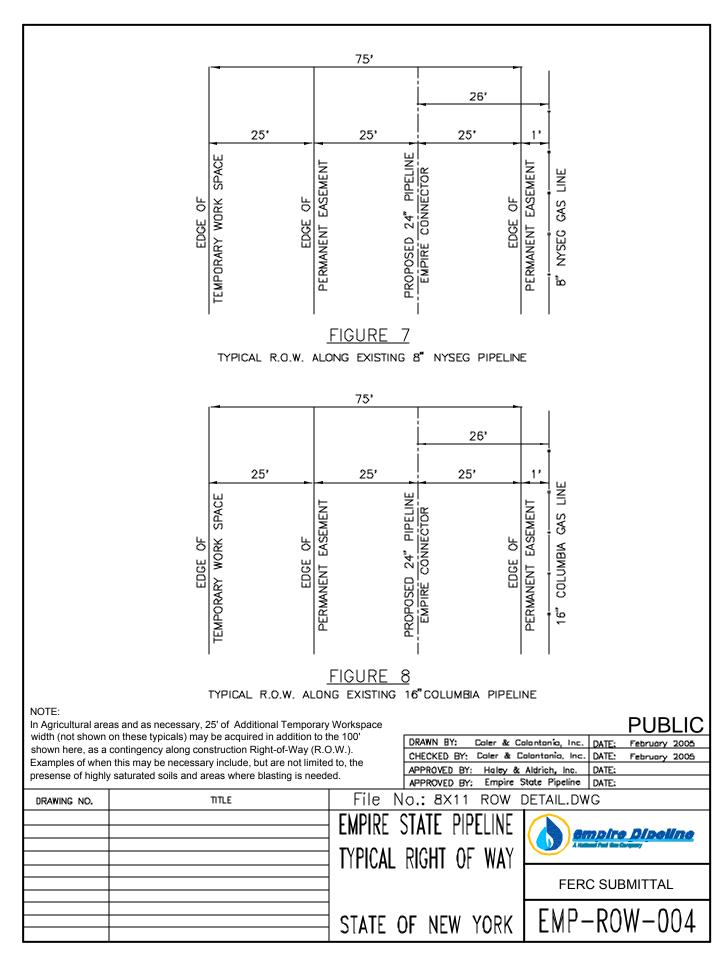
## Appendix C2

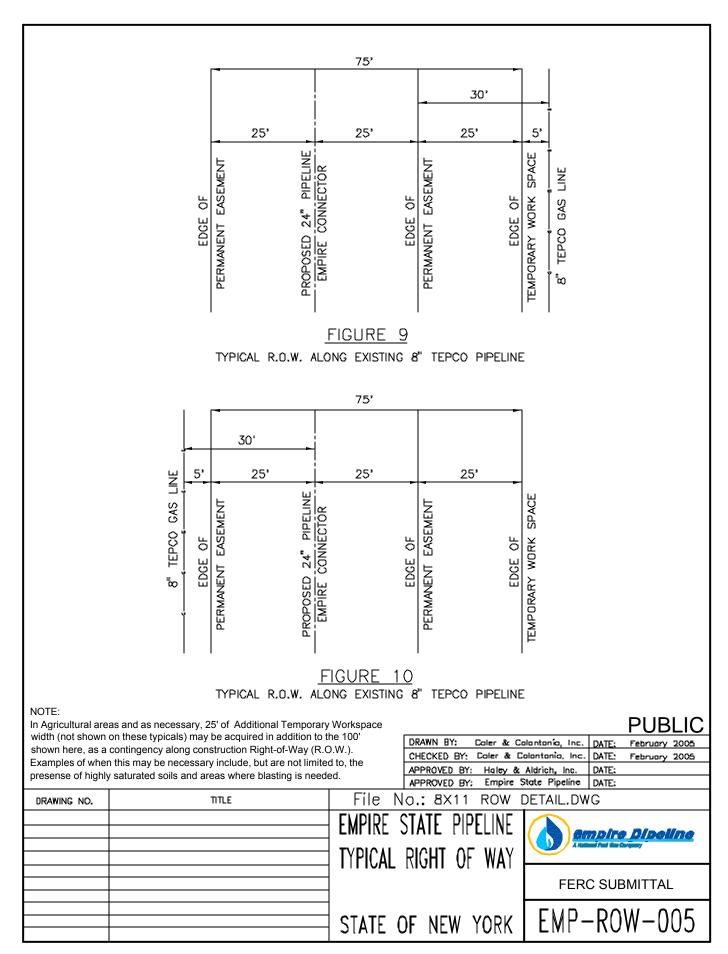
**Empire Typical ROW Cross Sections** 

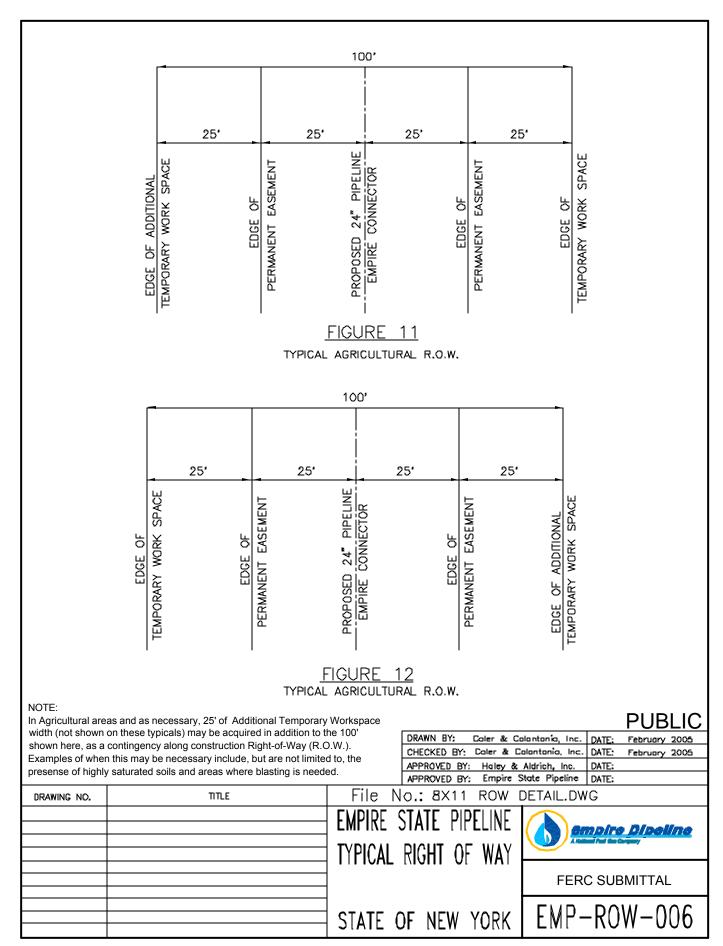


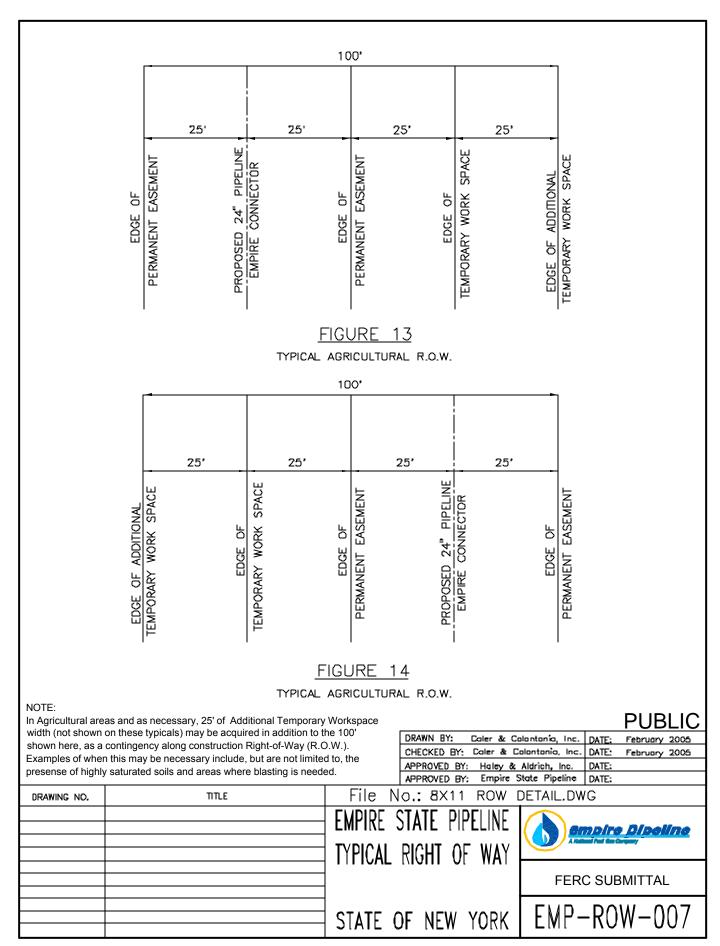


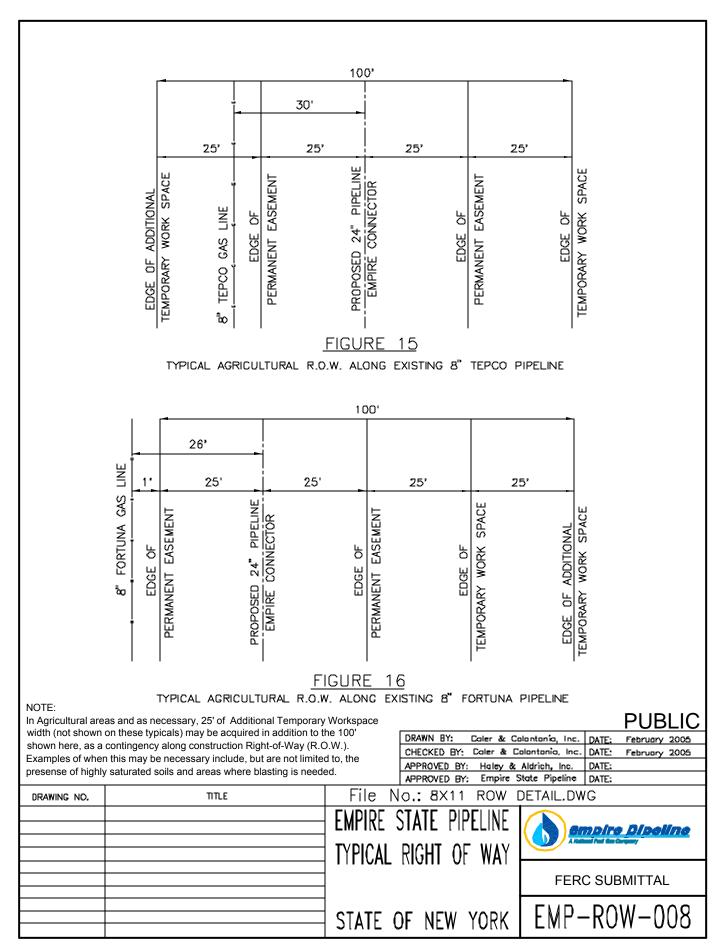


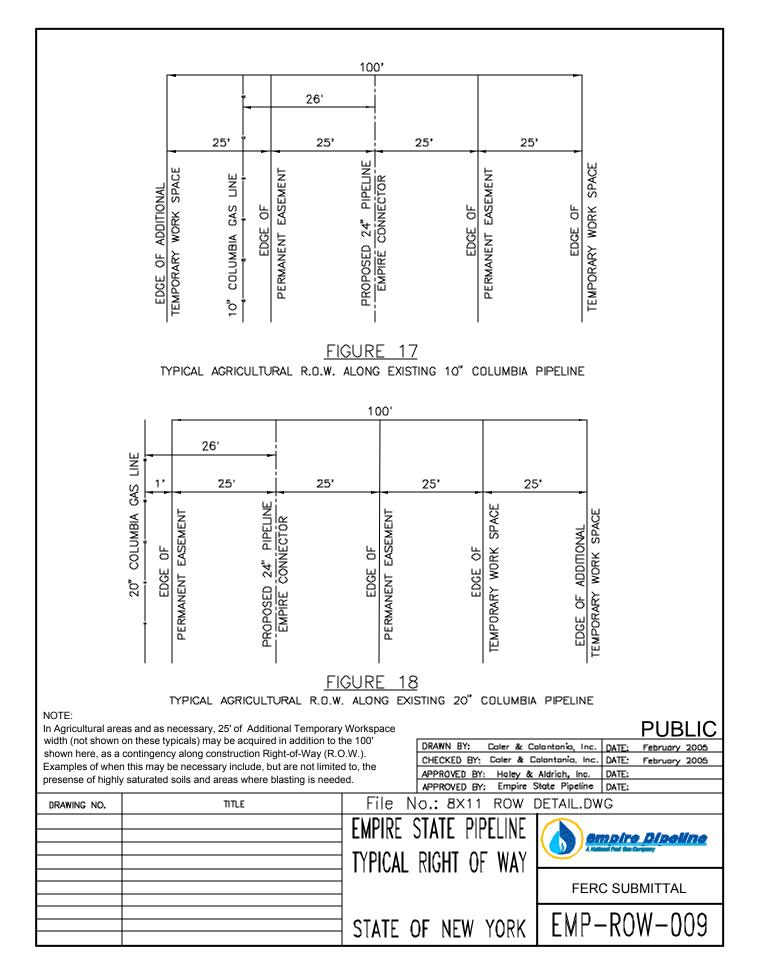


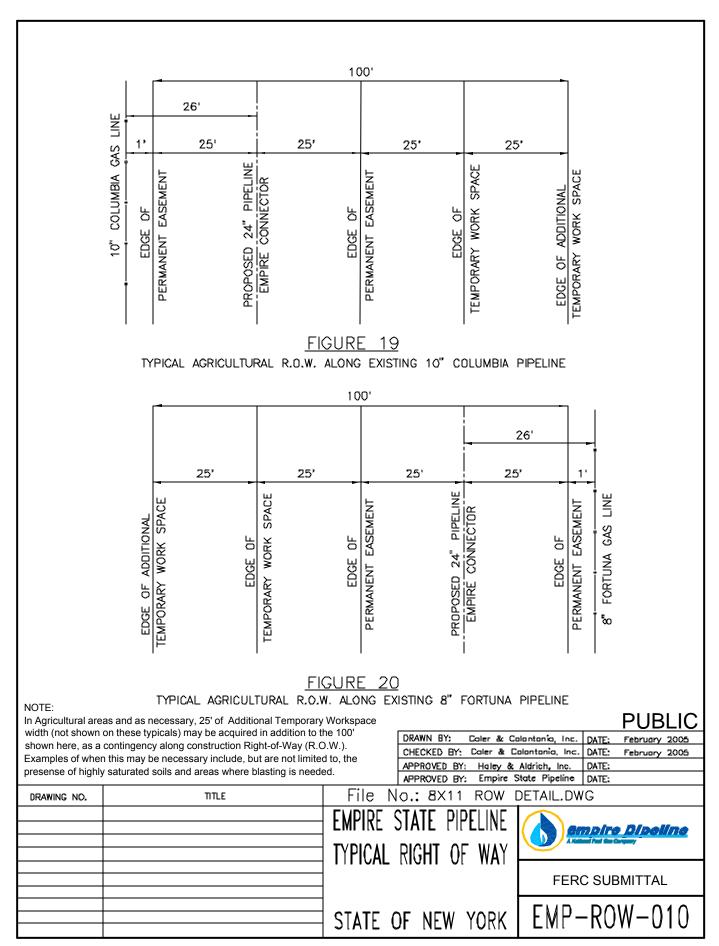


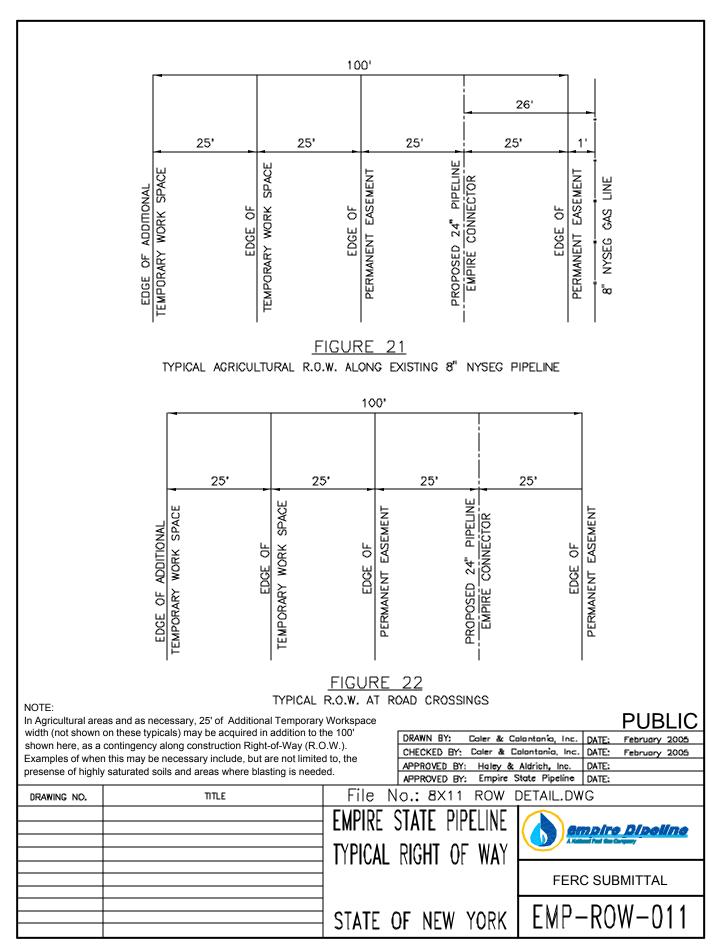


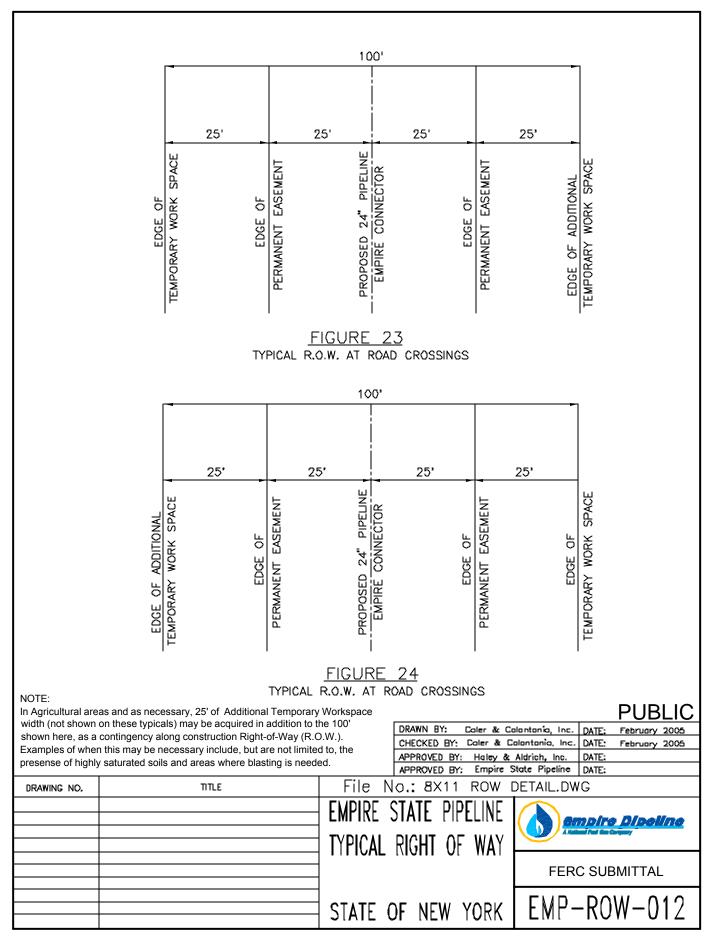


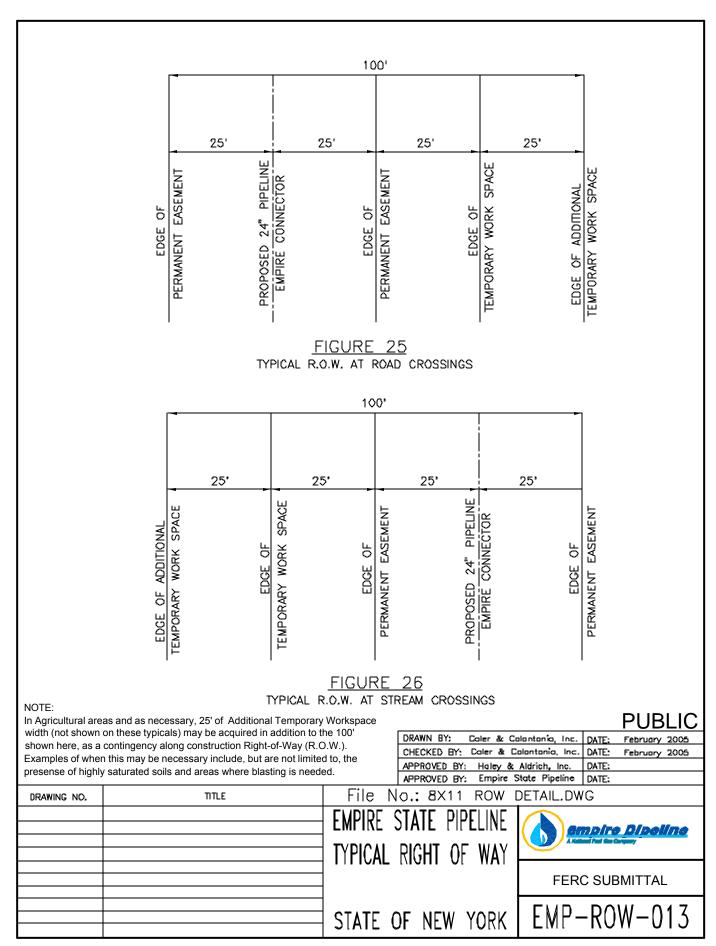


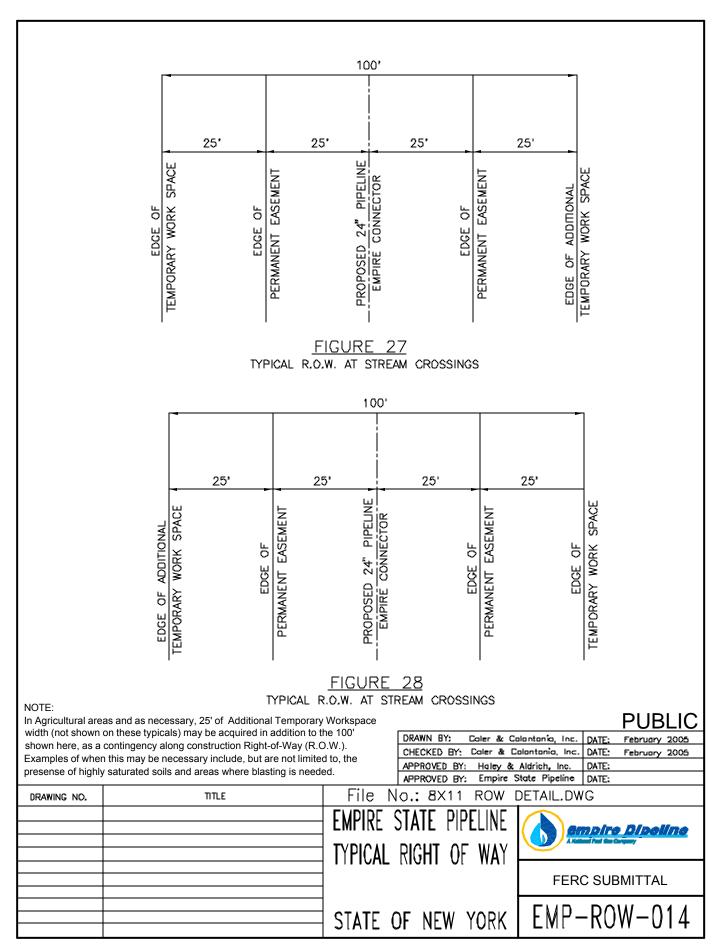


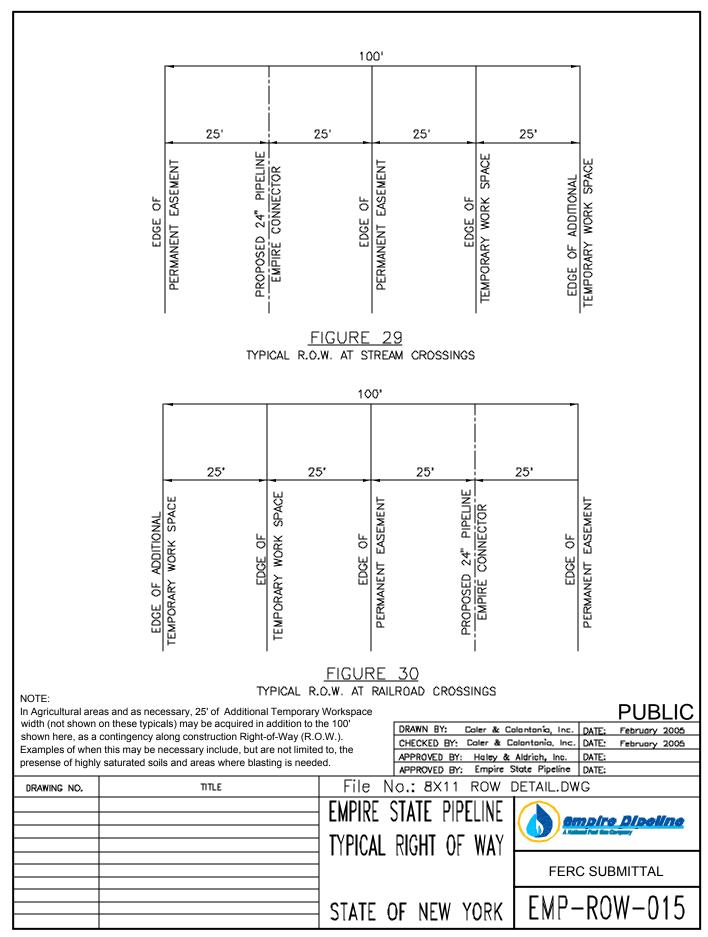


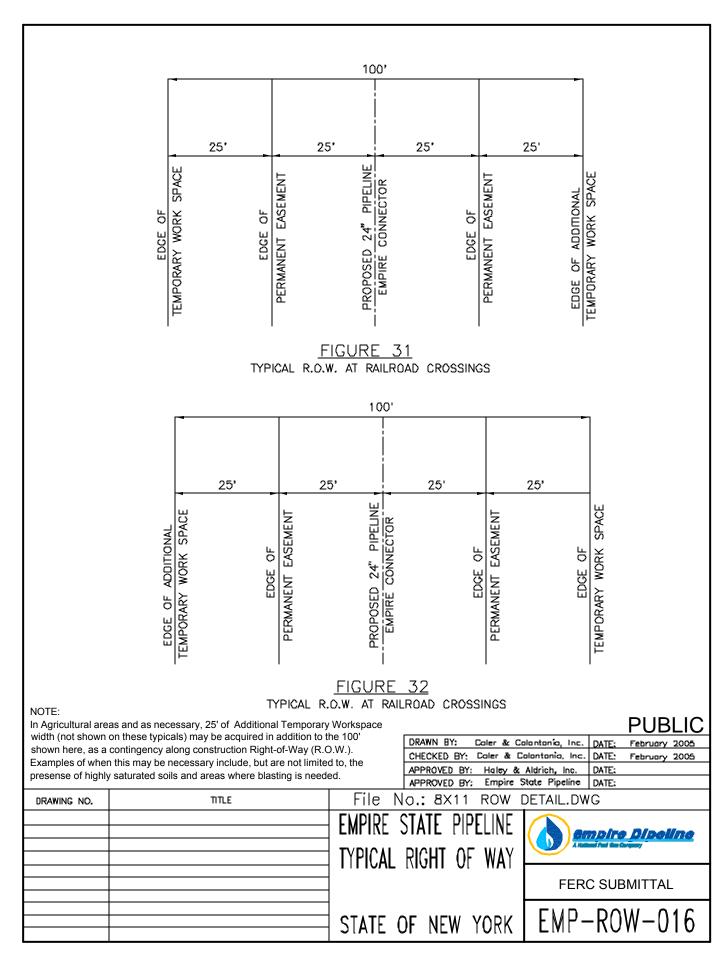


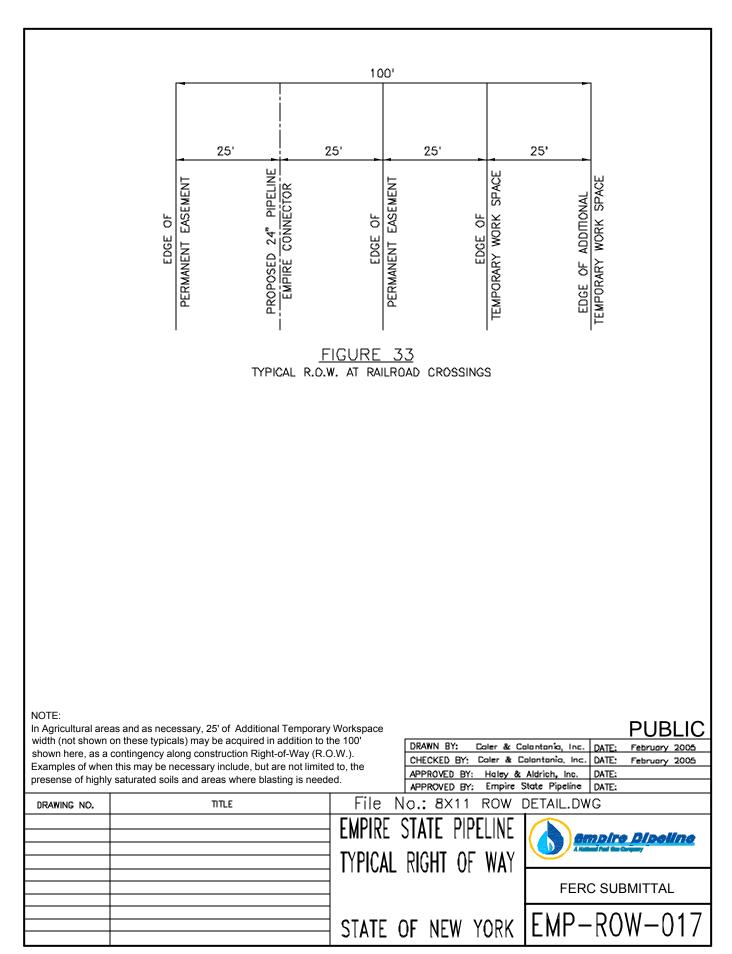




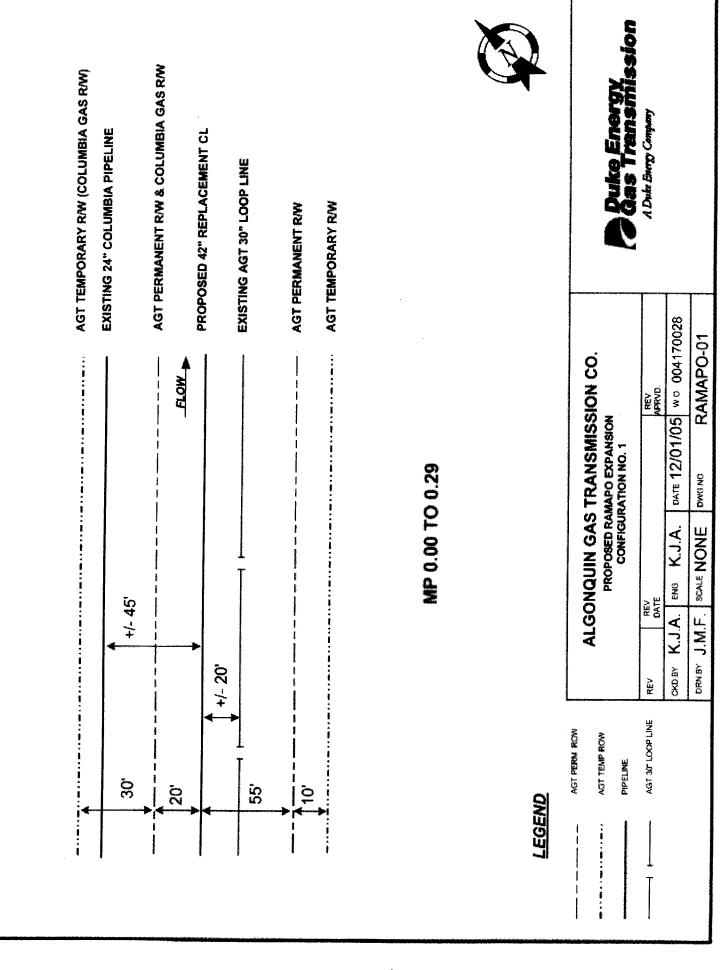


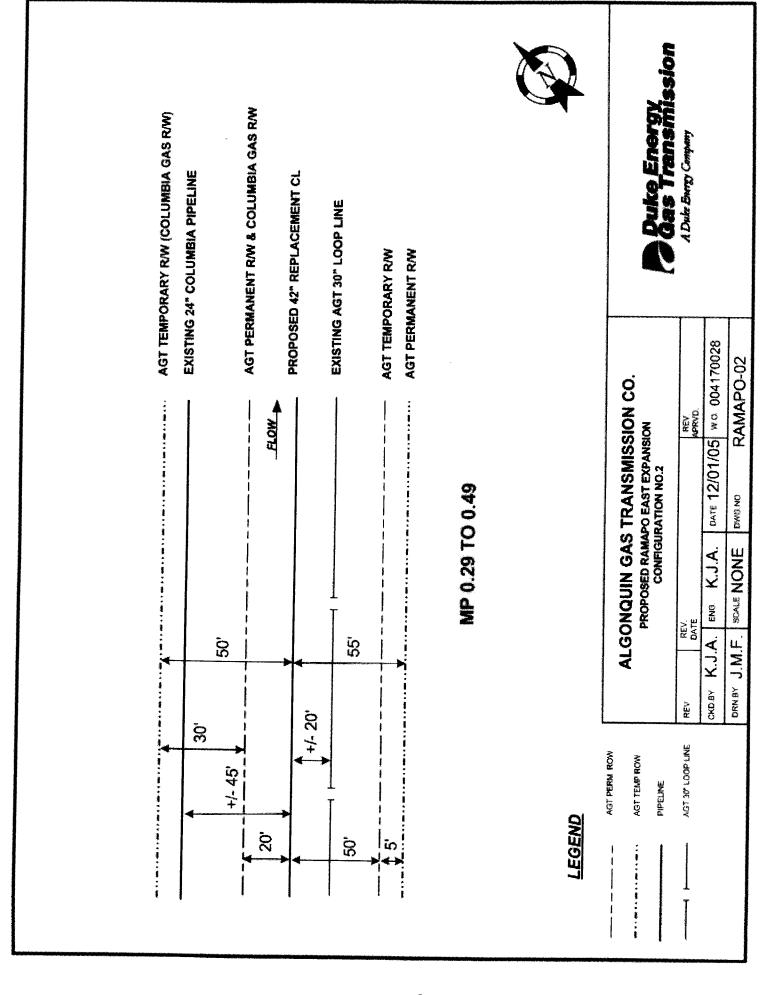


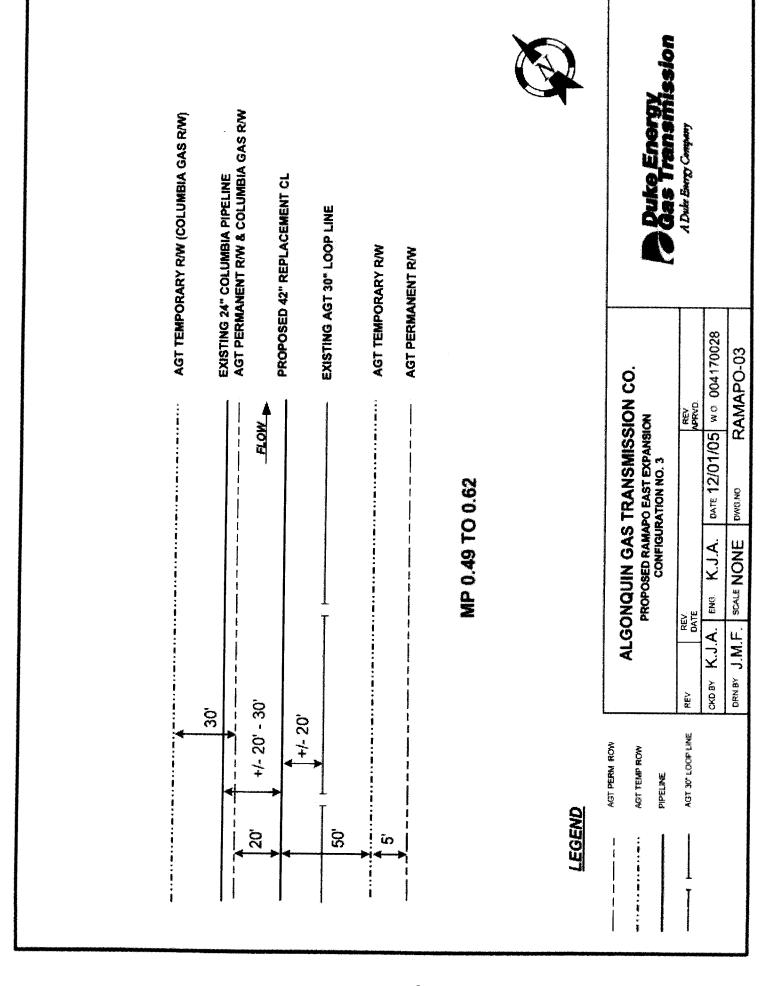


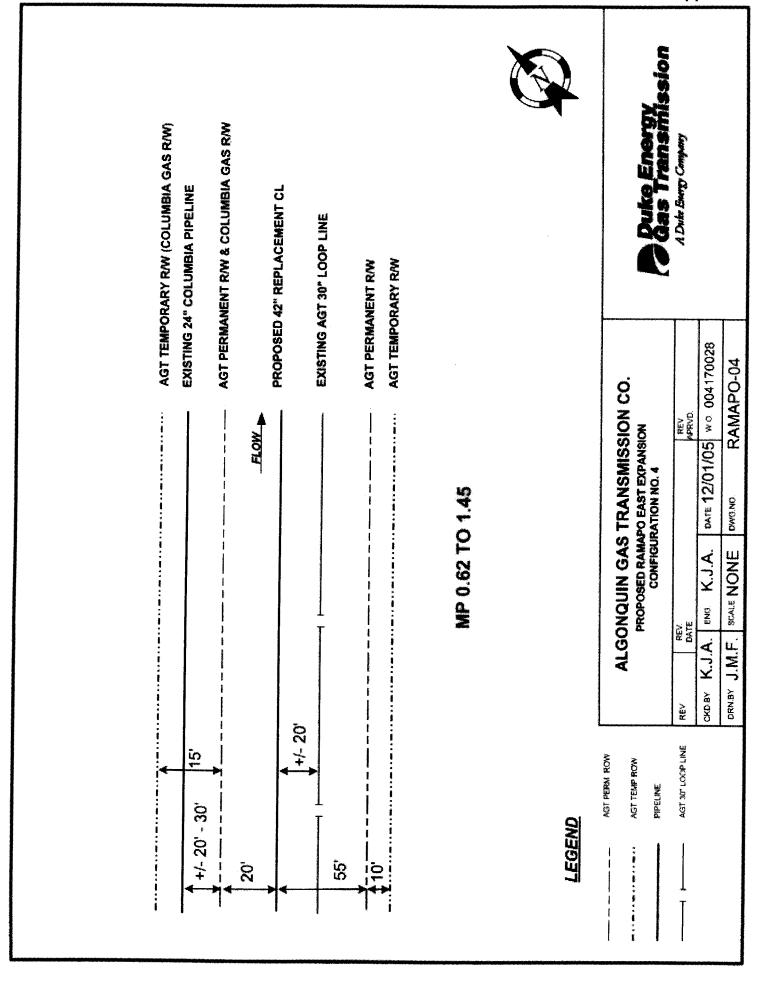


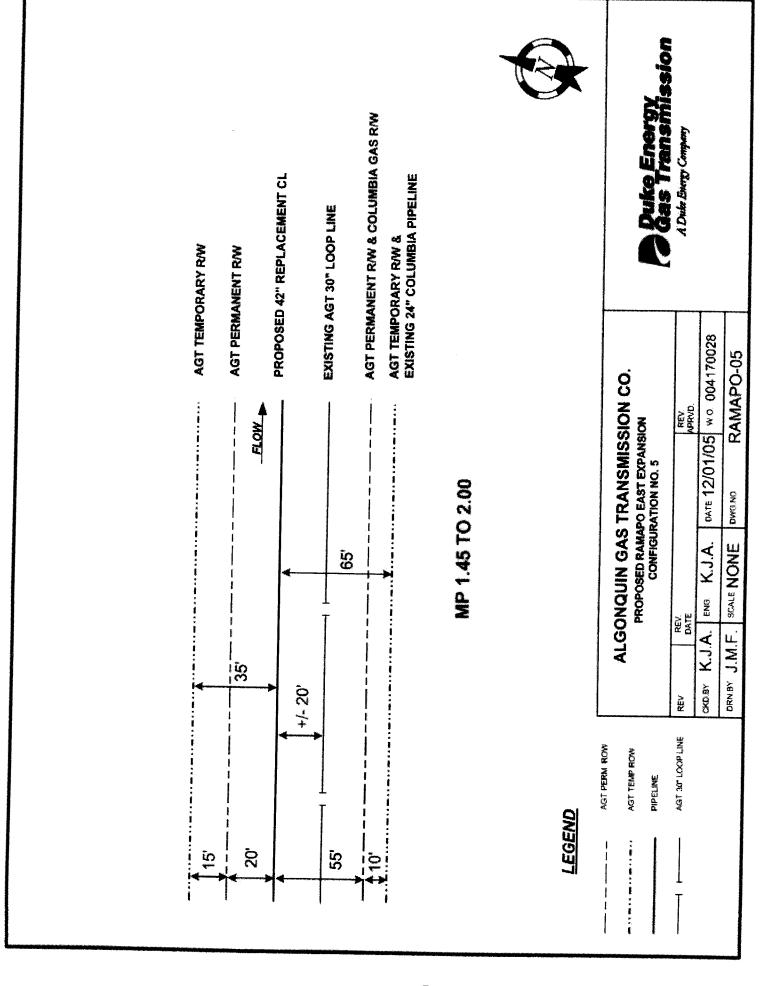
# Appendix C3 Algonquin Typical ROW Cross Sections

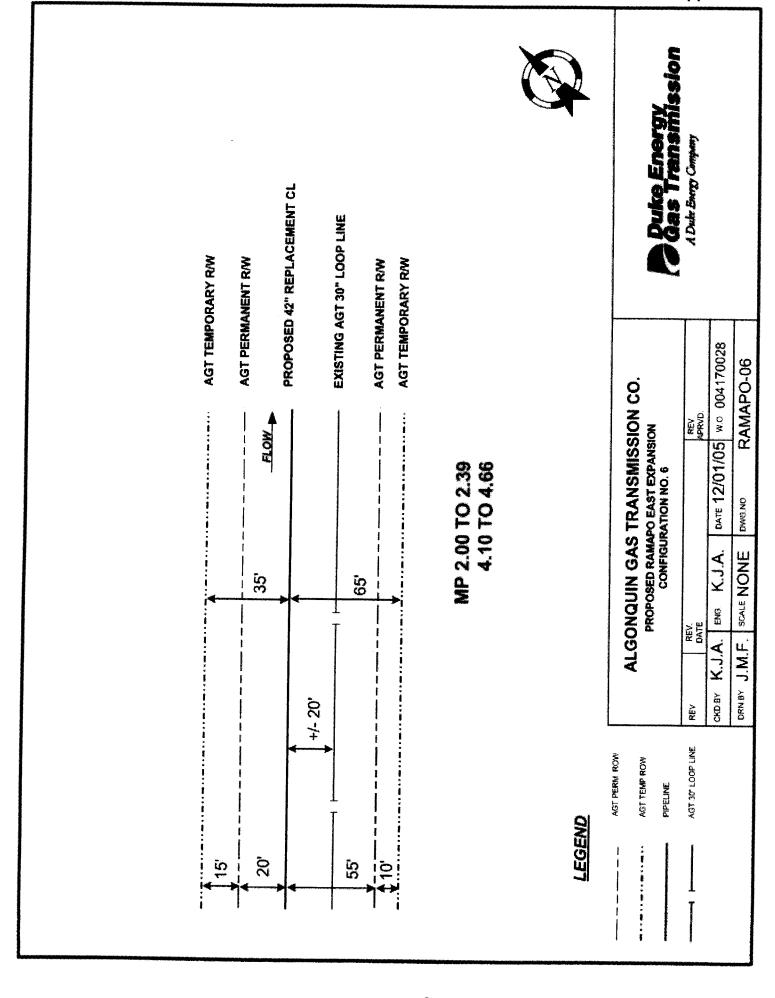






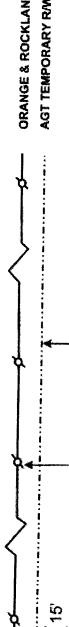






NOTE : ADDITIONAL "NEW" PERMANENT R/W WILL BE REQUIRED AT THE REMOTE BLOW-OFF @ MP 4.8

NOTE : LIMITED "NEW" PERMANENT RW WILL BE REQUIRED TO ELIMINATE THE PIPELINE CROSSOVER @ MP 4.1



ORANGE & ROCKLAND ELECTRIC TOWER LINE AGT TEMPORARY R/W (ORANGE & ROCKLAND R/W)

AGT PERMANENT R/W & ORANGE & ROCKLAND R/W

PROPOSED 42" REPLACEMENT CL

FLOW

35

+/- 40' - 50'

20.

+/- 20.

22

**EXISTING AGT 30" LOOP LINE** 

AGT PERMANENT RIW

65,

AGT TEMPORARY R/W

MP 2.39 TO 4.10 4.66 TO 4.93



S
3
7

DRN BY IN F		
cko.av K.J.A.	CRANGE & ROCKLAND C	*
REV REV	AGT 30' LOOP LINE	WHEN THE PROPERTY OF THE PROPE
	PIPELINE	
ALG.	AGT TEMP ROW	4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
00	AGT PERM ROW	

SION CO.	REV.	CKD.BY K.J.A. ENG K.J.A. DATE 12/01/05 W.O. 004170028	RAMADO 07
ALGONQUIN GAS TRANSMISSION CO. PROPOSED RAMAPO EAST EXPANSION CONFIGURATION NO. 7		UNTE 12/01/05	
	3 43	ENG K.J.A.	DRN BY J M F SCALE NONF DWGNO
	REV. DATE	K.J.A.	MF
	REV	CKD BY	DRNBY

## Appendix C4

Iroquois Typical ROW Cross Sections (Not Applicable)